U.S. Patent Application Serial No. 10/765,914 Response filed November 7, 2005 Reply to OA dated August 10, 2005

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

Claim 1 (Canceled).

Claim 2 (Canceled).

Claim 3 (Currently Amended): An audio mixing circuit comprising:

an equalizer;

a fader operably coupled and cascaded to the equalizer;

comprises a variable attenuator and a low-pass filter for attenuating or increasing an audio signal

a distance filter operably coupled and cascaded to the fader, wherein the distance filter

level of an input audio signal in an entire audio-frequency band and an audio signal level of a high-

audio-frequency component extracted from the input audio signal, in a correlated manner; and

a pan circuit operably coupled and cascaded to the distance filter,

wherein the distance filter comprises a variable attenuator and a low-pass filter, and operates the variable attenuator and the low-pass filter, in a correlated manner such that:

(a) a cutoff frequency of the low-pass filter is lowered as an amount of attenuation of an

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audio signal is increased in an entire audio-frequency band, and

(b) the cutoff frequency of the low-pass filter is raised when the amount of attenuation of an

audio signal is lowered in an entire audio-frequency band.

Claim 4 (Previously Presented): An audio mixing circuit according to claim 3, wherein the

variable attenuator attenuates an input audio signal to an arbitrary level, and the low-pass filter varies

a cutoff frequency, wherein one of the variable attenuator and the low-pass filter is coupled and

cascaded to the other of the variable attenuator and the low-pass filter; and

wherein an amount of attenuation of the variable attenuator and the cutoff frequency of the

low-pass filter are determined so that the cutoff frequency is lower when the amount of attenuation

is larger.

Claim 5 (Canceled).

Claim 6 (Currently Amended): An audio mixing circuit according to claim [[5]] 3, wherein

the low-pass filter comprises a resistor and a variable capacitor.

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